

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
Phone No. (512) 322-2212 Fax No. (512) 463-6693

PRODUCT EVALUATION DR-537

Effective Date: May 1, 2012
Reevaluation Date: **June 2015**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Fiberglass Inswing Doors with or without Sidelites and Speakeasy, Impact Resistant, manufactured by

Glass Craft Door Company
2002 Brittmoore Road
Houston, TX 77043
Telephone: (713) 690-8282

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Fiberglass Glazed Inswing Door with Sidelites; (OXO)	Design Pressure: +31.6/-34.6 psf Maximum Size Tested: 6' $\frac{5}{8}$ " x 8'0"	+31.6/-34.6
2	Fiberglass Glazed Inswing Double Doors with Speakeasy; (XX)	Design Pressure: +31.6/-34.6 psf Maximum Size Tested: 6'2 $\frac{1}{2}$ " x 8'0"	+31.6/-34.6
3	Fiberglass Glazed Inswing Double Doors; (XX)	Design Pressure: +31.6/-34.6 psf Maximum Size Tested: 6' $\frac{3}{4}$ " x 8'0"	+31.6/-34.6

Component Dimensions:

System	Overall Size	Panel Size	Daylight Opening Size
1	72 $\frac{5}{8}$ " x 98"	One: 36" x 95 $\frac{1}{4}$ "	Two: 21" x 66"
2	74 $\frac{1}{2}$ " x 98"	Operable: 36 $\frac{3}{4}$ " x 95 $\frac{1}{2}$ " Fixed: 36" x 95 $\frac{1}{2}$ "	Two: 6" x 11 $\frac{1}{2}$ "
3	72 $\frac{3}{4}$ " x 98"	Two: 36" x 95 $\frac{1}{2}$ "	Two: 21" x 63 $\frac{3}{4}$ "

Component Dimensions:

System	Component	Quantity	Attachment Method
1	4" Butt Hinges	4	Secured to the door panel with four (4) No. 9 x 1" screws to the door panel. Secured to the door frame jamb with two (2) No. 9 x 1" screws on the two inner holes and two (2) No. 9 x 3" screws in the two outer holes.
	Lock and deadbolt strike plate	1 per lockset and deadbolt	Secured with two (2) No. 9 x 3" screws in each strike plate.
	Imperial USA Ltd. I68MPL three point lock set	1	Secured with nine (9) #8 x 3" screws located at 7-3/8", 14- 1/4", 17-9/16", 26-5/16", 45-13/16", 55-13/16", 62-3/16", 65-7/16" and 72-3/4" from the bottom.
2	4" Butt Hinges	4 each door	Secured to the door panel with four (4) No. 9 x 1" screws to the door panel. Secured to the door frame jamb with two (2) No. 9 x 1" screws on the two inner holes and two (2) No. 9 x 3" screws in the two outer holes.
	Lock and deadbolt strike plate		Secured with two (2) No. 9 x 3" screws in each strike plate.
	Imperial USA Ltd. IH400 OP6 three point lock set		Secured with nine (9) #8 x 3" screws located at 7-3/8", 14- 1/4", 17-9/16", 26-5/16", 45-13/16", 55-13/16", 62-3/16", 65-7/16" and 72-3/4" from the bottom.
3	4" Butt Hinges	4 each door	Secured to the door panel with four (4) No. 9 x 1" screws to the door panel. Secured to the door frame jamb with two (2) No. 9 x 1" screws on the two inner holes and two (2) No. 9 x 3" screws in the two outer holes.
	Lock and deadbolt strike plate		Secured with two (2) No. 9 x 3" screws in each strike plate.
	Imperial USA Ltd. I68MPL three point lock set		Secured with nine (9) #8 x 3" screws located at 7-3/8", 14- 1/4", 17-9/16", 26-5/16", 45-13/16", 55-13/16", 62-3/16", 65-7/16" and 72-3/4" from the bottom.

Product Identification (Certification Agency Label on Door):

System		
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Glass Craft Door Company 1157-1
	Product Name	Fiberglass Door Glazed Inswing with Sidelites
	Test Standards	ASTM E330-02; ASTM E 1886-05; ASTM E 1996-05
2	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Glass Craft Door Company 1157-1
	Product Name	Fiberglass Door Glazed Inswing with Speakeasy
	Test Standards	ASTM E330-02; ASTM E 1886-05; ASTM E 1996-05
3	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Glass Craft Door Company 1157-1
	Product Name	Fiberglass Door Glazed Inswing
	Test Standards	ASTM E330-02; ASTM E 1886-05; ASTM E 1996-05

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the Inland I and Seaward zone . The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Installation:

System			
1	Type of Installation	Door Frame	
	Wall Framing	Spruce-Pine-Fire	
	Fasteners	Minimum No. 9 x 3" Screws	
	Fastener Embedment	Minimum of 1 ½ inches into the wall framing	
	Fastener Location/Spacing	Head	Door: 4" from each corner and one located at midspan. Sidelites: one located at midspan.
		Sill	Door: 4" from each corner and spaced 12" o.c. thereafter. Sidelites: one located at midspan.
		Side Jamb	2" from each end and spaced 24" o.c. thereafter
		Hinges	Two fasteners at each hinge location (see hardware section) shall penetrate into the wall framing
2	Type of Installation	Door Frame	
	Wall Framing	Spruce-Pine-Fire	
	Fasteners	Minimum No. 9 x 3" Screws	
	Fastener Embedment	Minimum of 1 ½ inches into the wall framing	
	Fastener Location/Spacing	Head & Sill	4" from each corner and 12" o.c. thereafter
		Side Jamb	12" from each end and one at midspan
		Hinges	Two fasteners at each hinge location (see hardware section) shall penetrate into the wall framing

Installation (cont.):

System			
3	Type of Installation	Door Frame	
	Wall Framing	Spruce-Pine-Fire	
	Fasteners	Minimum No. 9 x 3" Screws	
	Fastener Embedment	Minimum of 1 ½ inches into the wall framing	
	Fastener Location/Spacing	Head	4" from each corner and 12" o.c. thereafter
		Sill	4" from each corner and 12" o.c. thereafter
		Side Jambs	2" from each end and one located at midspan
		Hinges	Two fasteners at each hinge location (see hardware section) shall penetrate into the wall framing

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) the International Building Code (IBC), and the Texas Revisions.